

Docket No.: 1509-270



PATENT

#3  
29  
5/1/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re Application of  
Alistair Neil COLES et al.

Serial No. 10/058,252 : Group Art Unit: 2644  
Filed: January 29, 2002 : Examiner: Unknown  
For: AN INTERACTIVE AUDIO SYSTEM

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

**RECEIVED**

Honorable Commissioner of  
Patents and Trademarks  
Washington, D. C. 20231

APR 12 2002  
Technology Center 2600

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

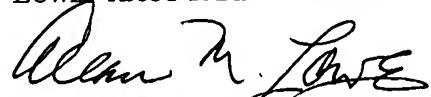
This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

Serial No. 10/058,252

The relevance of each non-English language reference, if any,  
is discussed in the present specification.

Respectfully submitted,

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Date: April 10, 2002



SHEET 1 OF 1

**INFORMATION DISCLOSURE  
CITATION IN AN  
APPLICATION**

ATTY. DOCKET NO.  
**1509-270**

SERIAL NO.  
10/058.252

**APPLICANT**

**FILING DATE** January 29, 2002 **GROUP** 2644

## **U.S. PATENT DOCUMENTS**

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## **FOREIGN PATENT DOCUMENTS**

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Kyriakakis, Chris et al., "Signal Processing, Acoustics, and Psychoacoustics for High Quality Desktop Audio," JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, Vol. 9, No. 1, March, pp. 51-61, 1998.
	Goose, Stuart et al., "A 3D Audio Only Interactive Web Browser: Using Spatialization to Convey Hypermedia Document Structure," ACM MULTIMEDIA 99, 1-58113-151-8/99/0010, pp. 363-371, 1999.
	Sawhney, Nitin et al., "Speaking and Listening on the Run: Design for Wearable Audio Computing," IEEE, 0-8186-9074-7/98, pp. 108-115, 1998.
	Billinghurst, M. et al., "A Wearable Spatial Conferencing Space," IEEE, 0-8186-9074-7/98, pp. 76-83, 1998
	King, Robert B. et al., "The Impact of Signal Bandwidth on Auditory Localization: Implications for the Design of Three-Dimensional Audio Displays," HUMAN FACTORS, 39(2), pp. 287-295, 1997.
	Kobayashi, Minoru et al., "Dynamic Soundscape: mapping time to space for audio browsing," <a href="http://www.acm.org/sigchi/chi97/proceedings/paper/kob.htm">http://www.acm.org/sigchi/chi97/proceedings/paper/kob.htm</a> .
EXAMINER	DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.